

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,117,947 B2  
APPLICATION NO. : 10/630292  
DATED : October 10, 2006  
INVENTOR(S) : Dennis Ray Wilson

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page, item (73) please delete "Conoco Phillips Company" and insert  
--ConocoPhillips Company--

Column 10, line 19 please delete "position" and insert --positioned--

Column 10, line 27 after "said" please insert -- defined--

Signed and Sealed this  
Seventeenth Day of April, 2007



JON W. DUDAS  
Director of the United States Patent and Trademark Office